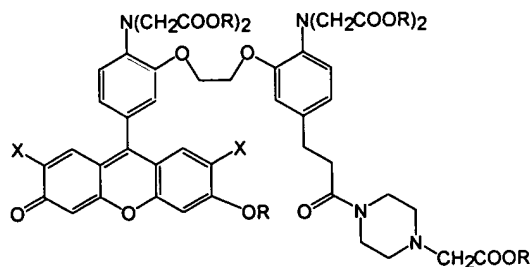


What is claimed is:

1. A class of cellular visible wavelength calcium indicators which are leakage resistant and consisting of a chemical compound having the formula

5 a)

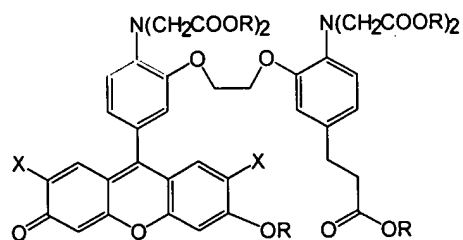


Where  $R = K^+$  or  $CH_2OCOCH_3$  (acetoxymethyl ester)

$X = Cl, F$

10 or

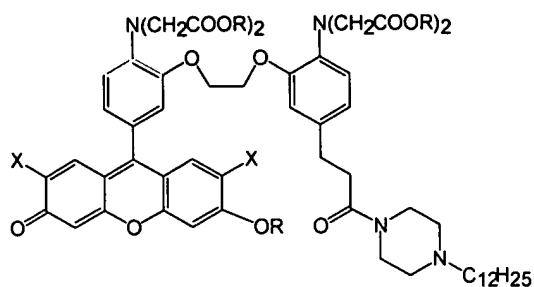
b)



Where  $R = K^+$  or  $CH_2OCOCH_3$  (acetoxymethyl ester)

15  $X = Cl, F$

2. A class of visible wavelength calcium indicators which operate near membranes and consisting of a chemical compound having the formula



Where R = K<sup>+</sup> or CH<sub>2</sub>OCOCH<sub>3</sub> (acetoxymethyl ester)

X = Cl, F